IN THE CLAIMS

Claims 1 and 81 are amended herein. All claims are reproduced below.

- 1. (Currently Amended) A system for printing time-based media data, the system comprising:
 - a user interface for receiving user input, the user input specifying a multimedia function to perform on the time-based media and including a first amount of processing to be performed by a printer and a second amount of processing to be performed by a processing device;
 - a printer, communicatively coupled to the user interface, adapted to perform the first amount of processing indicated by the received <u>user input</u>, and to instruct a processing device to perform the second amount of processing indicated by the received <u>user input</u>, in order to perform the specified multimedia function on the time-based media; and
 - a processing device, adapted to perform the second amount of processing in response to instruction from the printer.
- 2. (Original) The system of claim 1 wherein the processing device includes the user interface.
- 3. (Original) The system of claim 1 wherein the printer includes the user interface.
- 4. (Original) The system of claim 1 wherein the user interface is on a device separate from the processing device and the printer.
- 5. (Original) The system of claim 2, 3 or 4 wherein the user interface displays status information about the performance of the multimedia function.

- 6. (Original) The system of claim 1 wherein the processing device is a personal computer.
- 7. (Original) The system of claim 1 wherein the multimedia function includes selecting a range of audio data in response to received input from the user.
- 8. (Original) The system of claim 1 wherein the multimedia function includes applying audio event detection to the time-based media data.
- 9. (Original) The system of claim 8 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.
- 10. (Original) The system of claim 1 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.
- 11. (Original) The system of claim 1 or 10 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.
- 12. (Original) The system of claim 1 wherein the multimedia function includes applying a sound source localization function to the time-based media data.
- 13. (Original) The system of claim 12 wherein the multimedia function further includes applying audio event detection to the time-based media data.
- 14. (Original) The system of claim 1 wherein the multimedia function includes applying a speech recognition function to the time-based media data.
- 15. (Original) The system of claim 14 wherein the multimedia function includes applying a profile analysis function to the time-based media data.

- 16. (Original) The system of claim 14 wherein the multimedia function includes applying an audio event detection function to the time-based media data.
- 17. (Original) The system of claim 16 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.
- 18. (Original) The system of claim 16 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.
- 19. (Original) The system of claim 16 wherein the multimedia function further includes applying a sound localization function to the time-based media data.
- 20. (Original) The system of claim 1 wherein the multimedia function includes selecting a range of video data in response to received input from the user.
- 21. (Original) The system of claim 1 wherein the multimedia function includes applying a video event detection function to the time-based media data.
- 22. (Original) The system of claim 1 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.
- 23. (Original) The system of claim 1 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 24. (Original) The system of claim 23 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.
 - 25. (Original) The system of claim 1 wherein the multimedia function includes

applying a face recognition function to the time-based media data.

- 26. (Original) The system of claim 1 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
- 27. (Original) The system of claim 26 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.
- 28. (Original) The system of claim 1 wherein the multimedia function includes applying a motion analysis function to the time-based media data.
- 29. (Original) The system of claim 1 or claim 28 wherein the multimedia function includes applying a distance estimation function to the time-based media data.
- 30. (Original) The system of claim 1 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.
- 31. (Original) The system of claim 1 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.
- 32. (Previously presented) The system of claim 31 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
- 33. (Original) The system of claim 31 wherein the multimedia function further includes applying a face detection function to the time-based media data.
 - 34. (Original) The system of claim 31 wherein the multimedia function includes

applying an optical character recognition function to the time-based media data.

- 35. (Original) The system of claim 34 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
- 36. (Original) The system of claim 34 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 37. (Original) The system of claim 1 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.
- 38. (Original) The system of claim 37 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.
- 39. (Original) The system of claim 1 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.
- 40. (Original) The system of claim 1 wherein the multimedia function includes applying a visual inspection function to the time-based media data.
- 41. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a compact disc (CD) device.
- 42. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a digital video disc (DVD) device.
- 43. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control an audio tape device.

- 44. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a video tape device.
- 45. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a multimedia server.
- 46. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control encryption hardware.
- 47. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control audio sound localization hardware.
- 48. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control motion detection hardware.
- 49. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a MIDI player.
- 50. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a cellular telephone.
- 51. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a two-way radio.
- 52. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a world wide web display.
- 53. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a climate sensor.

- 54. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a radio receiver.
- 55. (Original) The system of claim 1 wherein the processor is further configured to display results of the multimedia function on the display of the user interface.
- 56. (Previously presented) The printer of claim 1 wherein the processing device is a DVD drive.
- 57. (Previously presented) The printer of claim 1 wherein the processing device is a CD drive.
- 58. (Previously presented) The printer of claim 1 wherein the processing device is an audio tape drive.
- 59. (Previously presented) The printer of claim 1 wherein the processing device is a video cassette device.
- 60. (Previously presented) The printer of claim 1 wherein the processing device is a removable media device.
- 61. (Previously presented) The printer of claim 1 wherein the processing device is an embedded audio recorder.
- 62. (Previously presented) The printer of claim 1 wherein the processing device is an embedded video recorder.
- 63. (Previously presented) The printer of claim 1 wherein the processing device is an non-volatile storage device.

- 64. (Previously presented) The printer of claim 1 wherein the processing device is an embedded multimedia server.
- 65. (Previously presented) The printer of claim 1 wherein the processing device is audio encryption hardware.
- 66. (Previously presented) The printer of claim 1 wherein the processing device is video encryption hardware.
- 67. (Previously presented) The printer of claim 1 wherein the processing device is audio sound localization hardware.
- 68. (Previously presented) The printer of claim 1 wherein the processing device is a cellular telephone.
- 69. (Previously presented) The printer of claim 1 wherein the processing device is a two-way radio.
- 70. (Previously presented) The printer of claim 1 wherein the processing device is a world-wide web display.
- 71. (Previously presented) The printer of claim 1 wherein the processing device is a radio receiver for receiving AM signals.
- 72. (Previously presented) The printer of claim 1 wherein the processing device is a radio receiver for receiving FM signals.
- 73. (Previously presented) The printer of claim 1 wherein the processing device is a radio receiver for receiving short wave signals.

- 74. (Previously presented) The printer of claim 1 wherein the processing device is a satellite radio receiver.
- 75. (Previously presented) The printer of claim 1 wherein the processing device is a weather alert receiver.
- 76. (Previously presented) The printer of claim 1 wherein the processing device is an emergency alert monitor for receiving emergency broadcast system alerts.
- 77. (Previously presented) The printer of claim 1 wherein the processing device is hardware for performing VGA screen captures.
- 78. (Previously presented) The printer of claim 1 wherein the processing device is hardware for performing audio capture.
- 79. (Previously presented) The printer of claim 1 wherein the processing device is hardware for capturing data from an electronic pen.
- 80. (Previously presented) The printer of claim 1 wherein the processing device is a disposable media writer.
- 81. (Currently Amended) A method for printing time-based media, the method comprising:

receiving time-based media data from a media source;

on the time-based media, an amount of processing to be performed by a printer, and an amount of processing to be performed by a printer, and the user input a portion of the processing to be allocated to the

- printer and a portion of the processing to be allocated to the processing device;
- allocating the determined processing portions to the printer and the processing device <u>based on the user input</u>;
- performing, by the printer, the allocated portion of processing to carry out the specified multimedia function;
- performing, by the processing device, the allocated portion of processing to carry out the specified multimedia function;
- producing output on the printer associated with the processed media data; and producing an electronic output associated with the processed media data.
- 82. (Original) The method of claim 81 wherein the user input is received at the printer.
- 83. (Original) The method of claim 81 wherein the user input is received at the processing device.
- 84. (Original) The method of claim 81 wherein the processing device is a personal computer.
- 85. (Original) The method of claim 81 wherein the multimedia function includes selecting a range of audio data in response to received input from the user.
- 86. (Original) The method of claim 81 wherein the multimedia function includes applying audio event detection to the time-based media data.
- 87. (Original) The method of claim 86 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.

- 88. (Original) The method of claim 81 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.
- 89. (Original) The method of claim 81 or 88 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.
- 90. (Original) The method of claim 81 wherein the multimedia function includes applying a sound source localization function to the time-based media data.
- 91. (Original) The method of claim 90 wherein the multimedia function further includes applying audio event detection to the time-based media data.
- 92. (Original) The method of claim 81 wherein the multimedia function includes applying a speech recognition function to the time-based media data.
- 93. (Original) The method of claim 92 wherein the multimedia function includes applying a profile analysis function to the time-based media data.
- 94. (Original) The method of claim 92 wherein the multimedia function includes applying an audio event detection function to the time-based media data.
- 95. (Original) The method of claim 94 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.
- 96. (Original) The method of claim 94 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.
- 97. (Original) The method of claim 94 wherein the multimedia function further includes applying a sound localization function to the time-based media data.

- 98. (Original) The method of claim 81 wherein the multimedia function includes selecting a range of video data in response to received input from the user.
- 99. (Original) The method of claim 81 wherein the multimedia function includes applying a video event detection function to the time-based media data.
- 100. (Original) The method of claim 81 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.
- 101. (Original) The method of claim 81 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 102. (Original) The method of claim 101 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.
- 103. (Original) The method of claim 81 wherein the multimedia function includes applying a face recognition function to the time-based media data.
- 104. (Original) The method of claim 81 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
- 105. (Original) The method of claim 104 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.
- 106. (Original) The method of claim 81 wherein the multimedia function includes applying a motion analysis function to the time-based media data.

- 107. (Original) The method of claim 81 or claim 106 wherein the multimedia function includes applying a distance estimation function to the time-based media data.
- 108. (Original) The method of claim 81 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.
- 109. (Original) The method of claim 81 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.
- 110. (Previously Presented) The method of claim 109 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
- 111. (Original) The method of claim 109 wherein the multimedia function further includes applying a face detection function to the time-based media data.
- 112. (Original) The method of claim 109 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
- 113. (Original) The method of claim 112 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
- 114. (Original) The method of claim 112 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 115. (Original) The method of claim 81 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.

- 116. (Original) The method of claim 115 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.
- 117. (Original) The method of claim 81 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.
- 118. (Original) The method of claim 81 wherein the multimedia function includes applying a visual inspection function to the time-based media data.